Figure 1

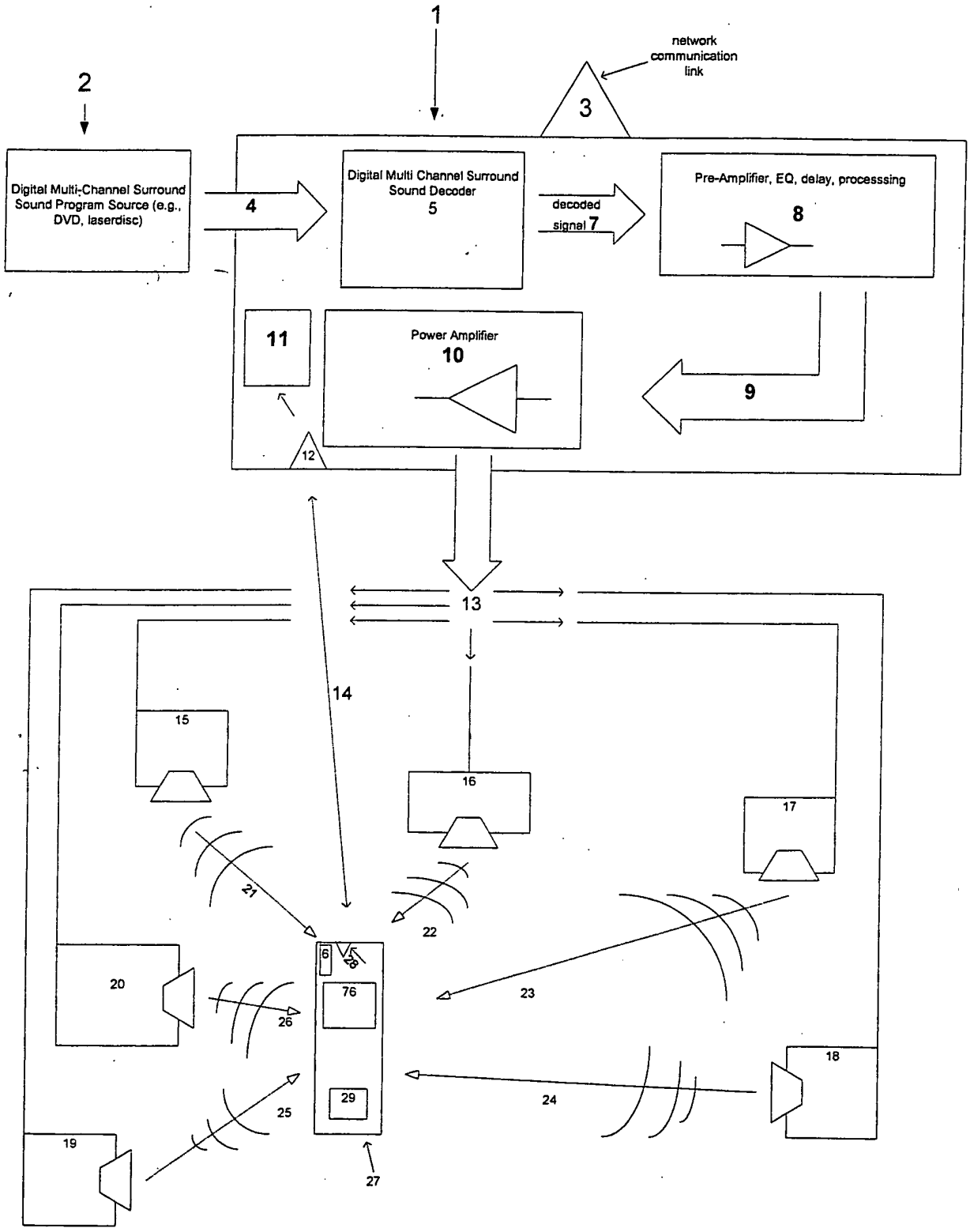

1
2
3
network communication link
Digital Multi-Channel Surround Sound Program Source (e.g., DVD, laserdisc)
4
Digital Multi Channel Surround Sound Decoder
5
decoded signal 7
Pre-Amplifier, EQ, delay, processsing
8
9
11
Power Amplifier
10
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
76
29

Figure 2

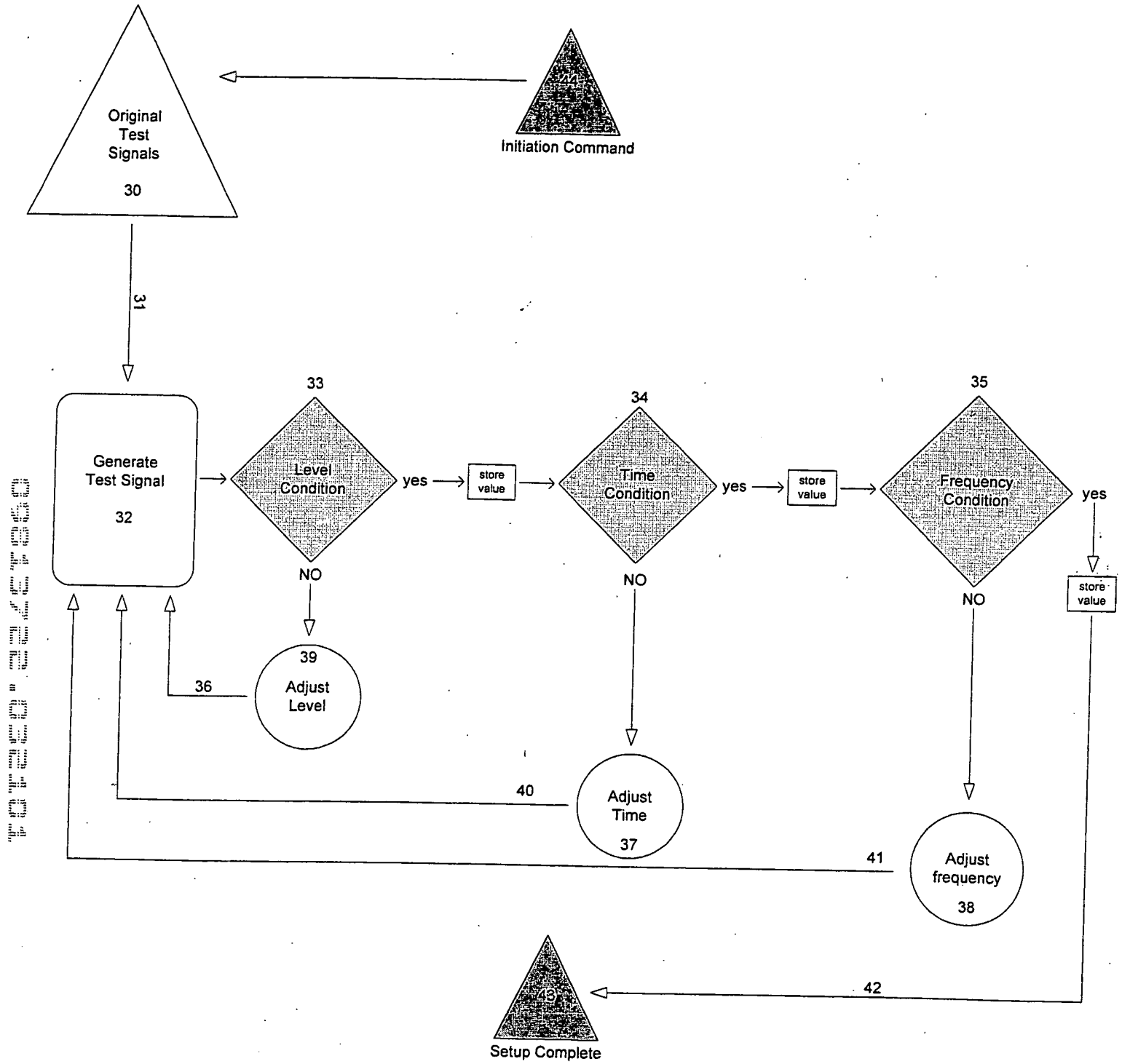

Original Test Signals
30
Initiation Command
31
Generate Test Signal
32
33
Level Condition
yes
store value
34
Time Condition
yes
store value
35
Frequency Condition
yes
store value
NO
NO
NO
39
Adjust Level
36
40
Adjust Time
37
41
Adjust frequency
38
42
43
Setup Complete

Figure 3

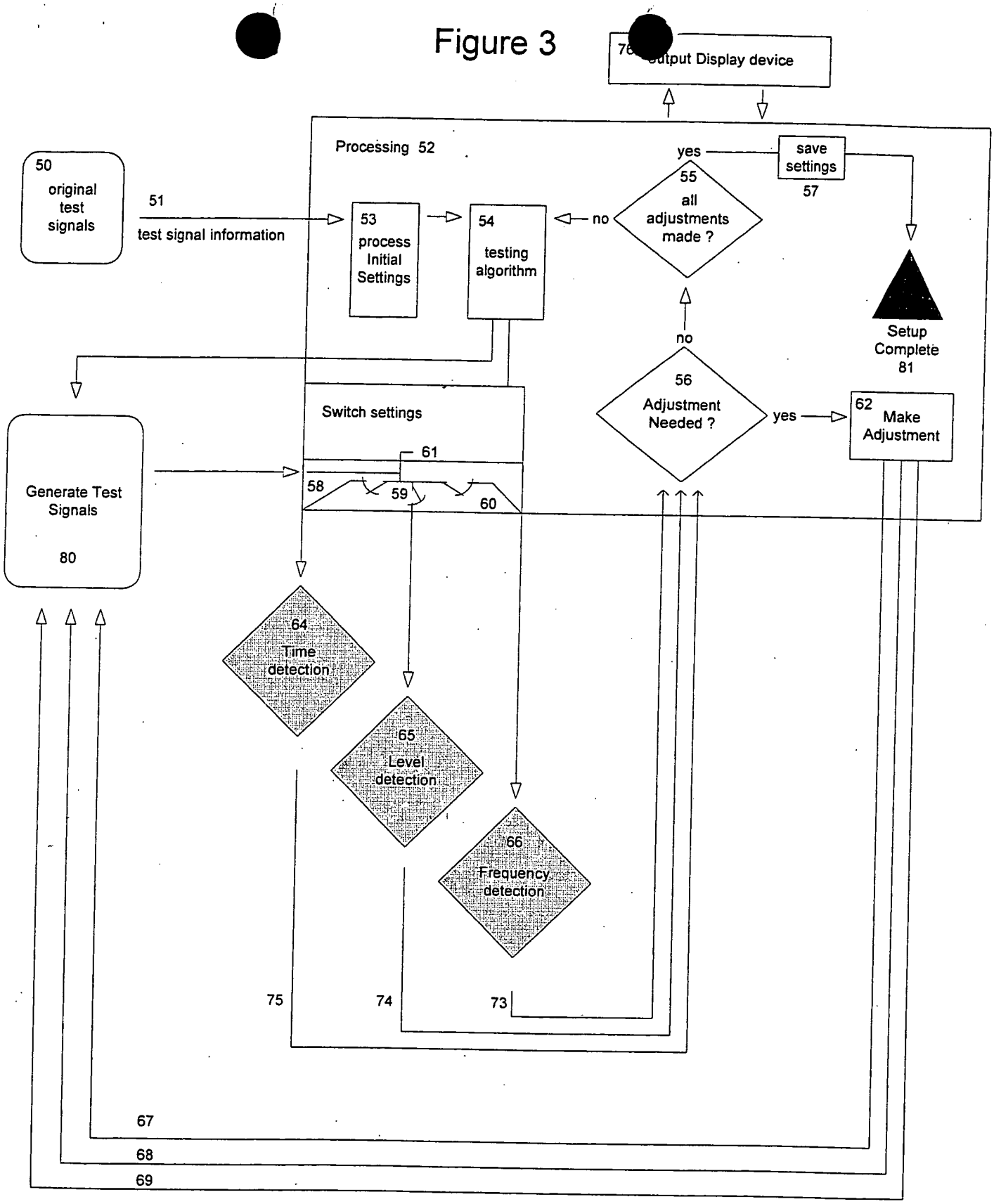

Output Display device
Processing 52
50
original test signals
51
test signal information
53
process Initial Settings
54
testing algorithm
55
all adjustments made ?
yes
save settings
57
no
Setup Complete
81
56
Adjustment Needed ?
no
yes
62
Make Adjustment
Switch settings
61
58
59
60
Generate Test Signals
80
64
Time detection
65
Level detection
66
Frequency detection
75
74
73
67
68
69

Figure 4

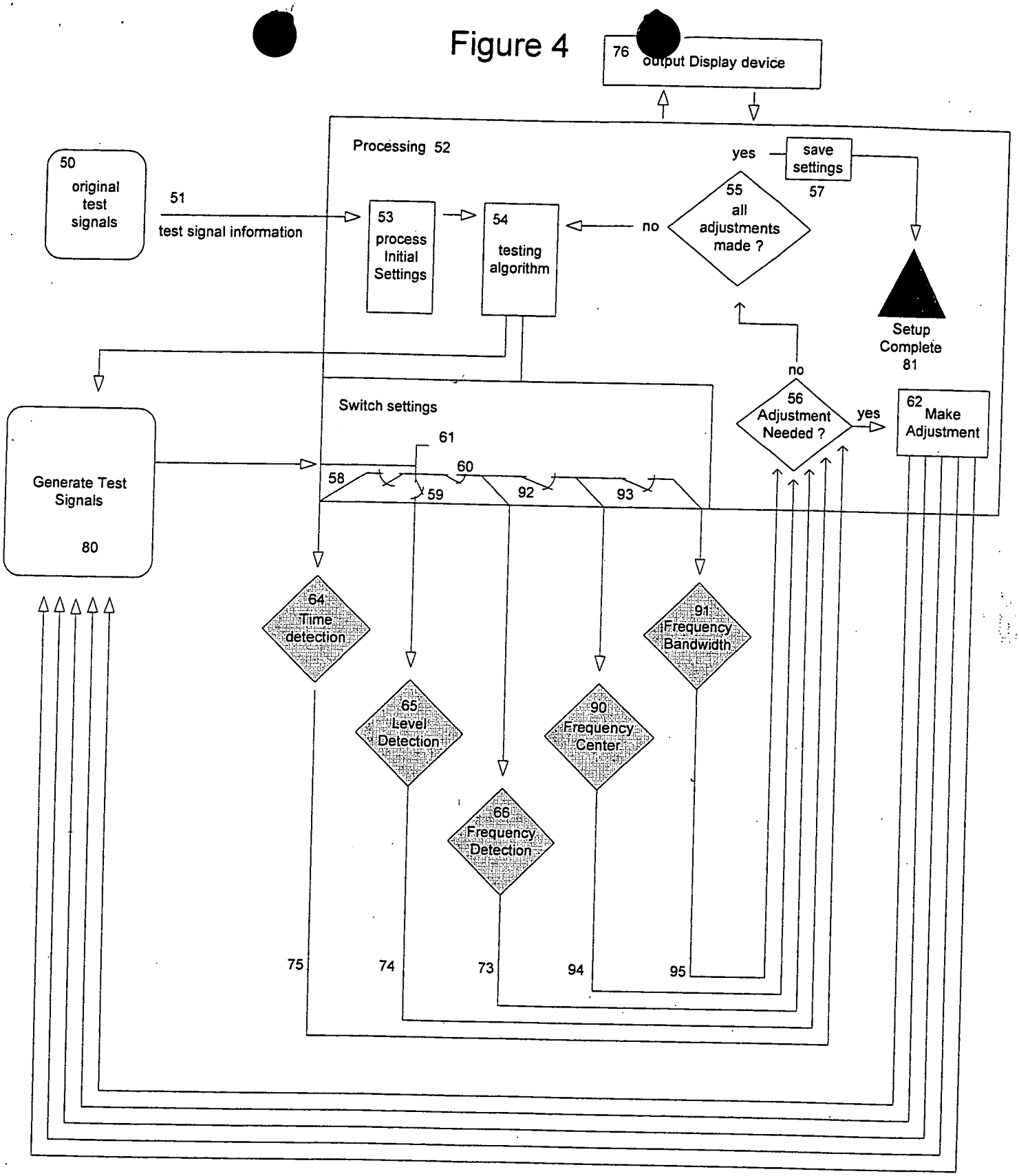

76 output Display device
Processing 52
50 original test signals
51 test signal information
53 process Initial Settings
54 testing algorithm
55 all adjustments made ?
no
yes
save settings
57
Setup Complete 81
no
56 Adjustment Needed ?
yes
62 Make Adjustment
Switch settings
61
60
58
59
92
93
Generate Test Signals 80
64 Time detection
65 Level Detection
66 Frequency Detection
90 Frequency Center
91 Frequency Bandwidth
75
74
73
94
95

Figure 5

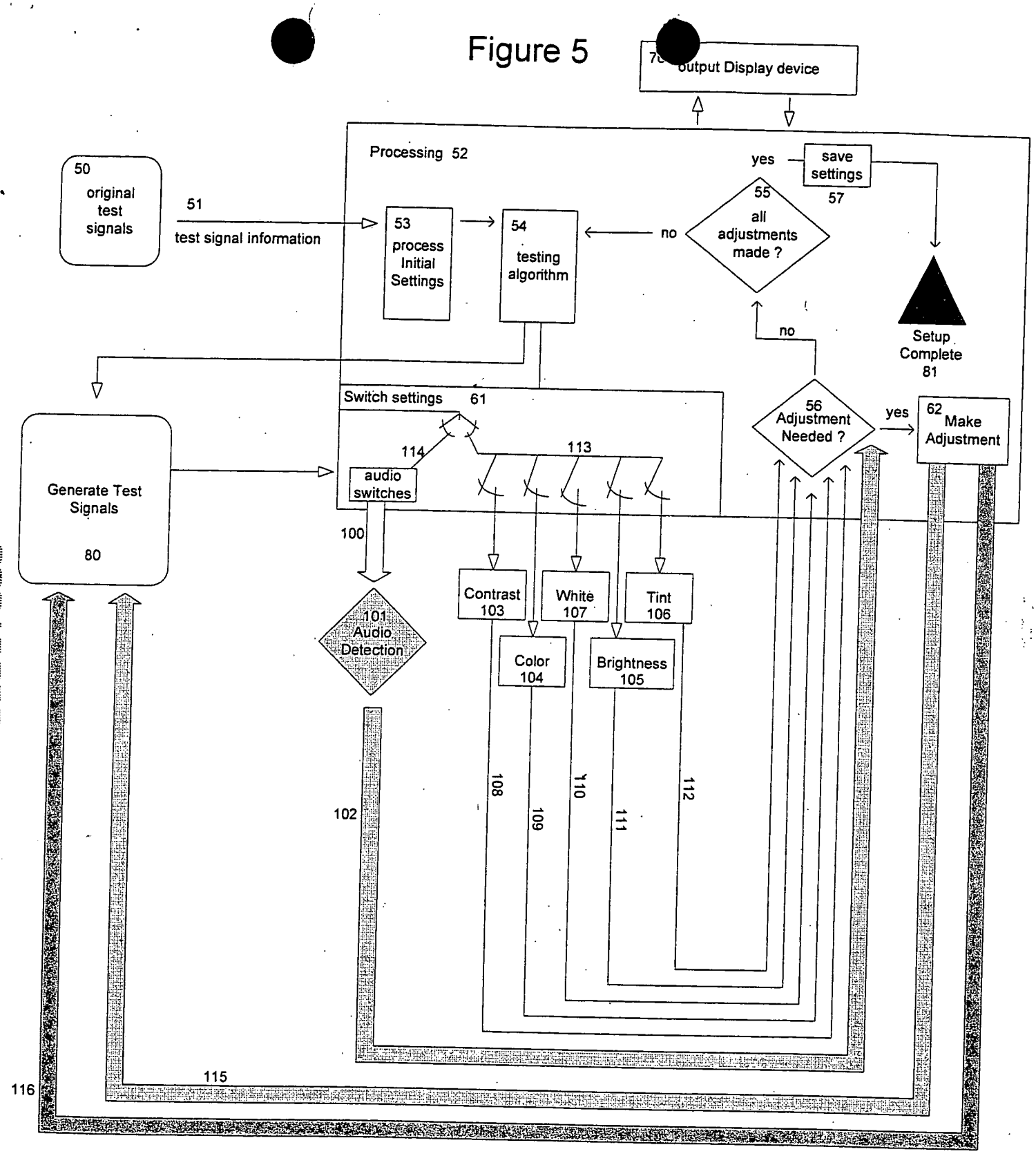
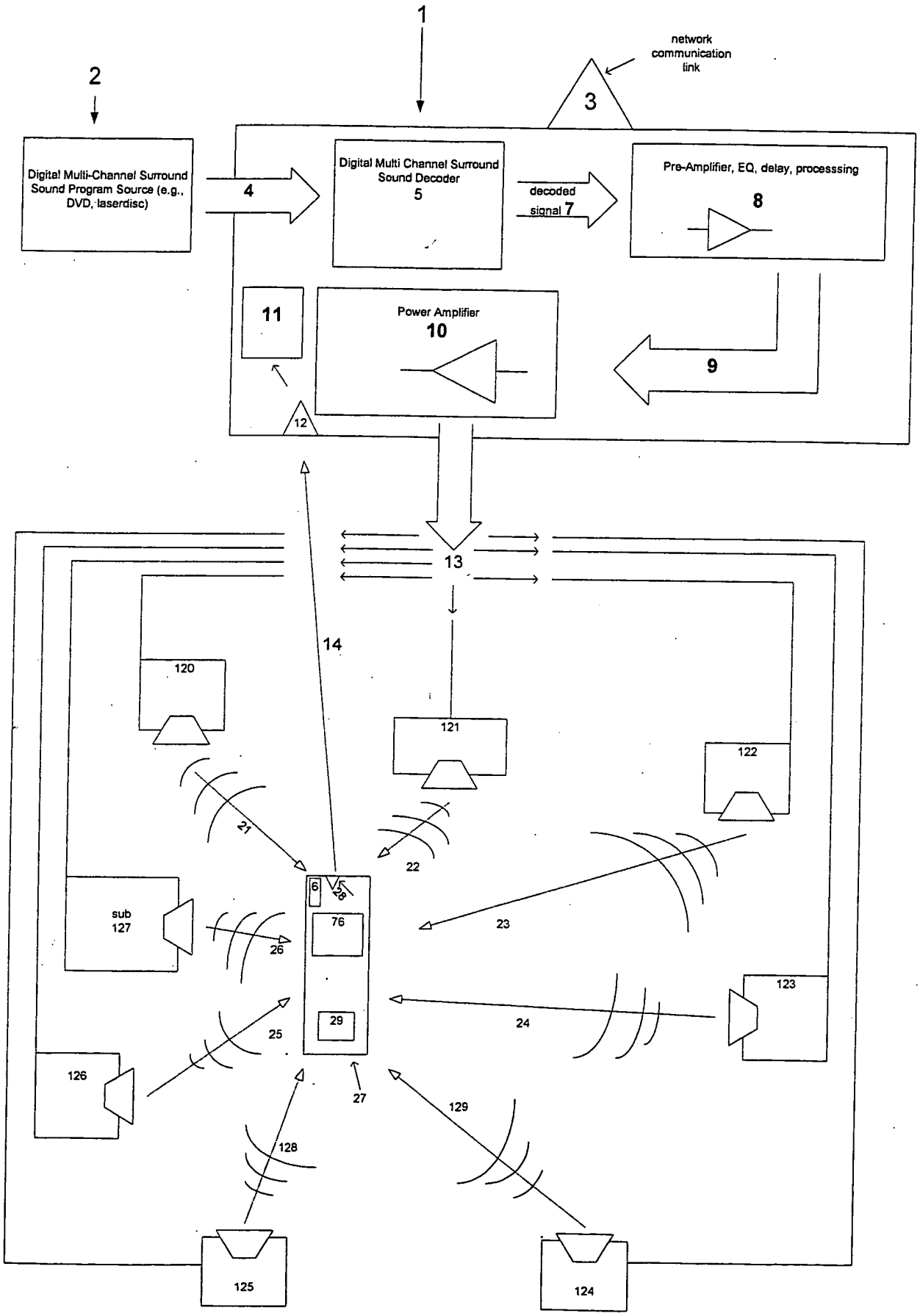

output Display device
Processing 52
50
original test signals
51
test signal information
53
process Initial Settings
54
testing algorithm
55
all adjustments made ?
no
yes
save settings
57
Setup Complete
81
no
56
Adjustment Needed ?
yes
62
Make Adjustment
Switch settings 61
114
113
audio switches
Generate Test Signals
80
100
101
Audio Detection
Contrast
103
White
107
Tint
106
Color
104
Brightness
105
102
108
109
110
111
112
115
116

Figure 6


1
2
network communication link
3
Digital Multi-Channel Surround Sound Program Source (e.g., DVD, laserdisc)
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Digital Multi Channel Surround Sound Decoder
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decoded signal 7
Pre-Amplifier, EQ, delay, processsing
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Power Amplifier
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12
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14
120
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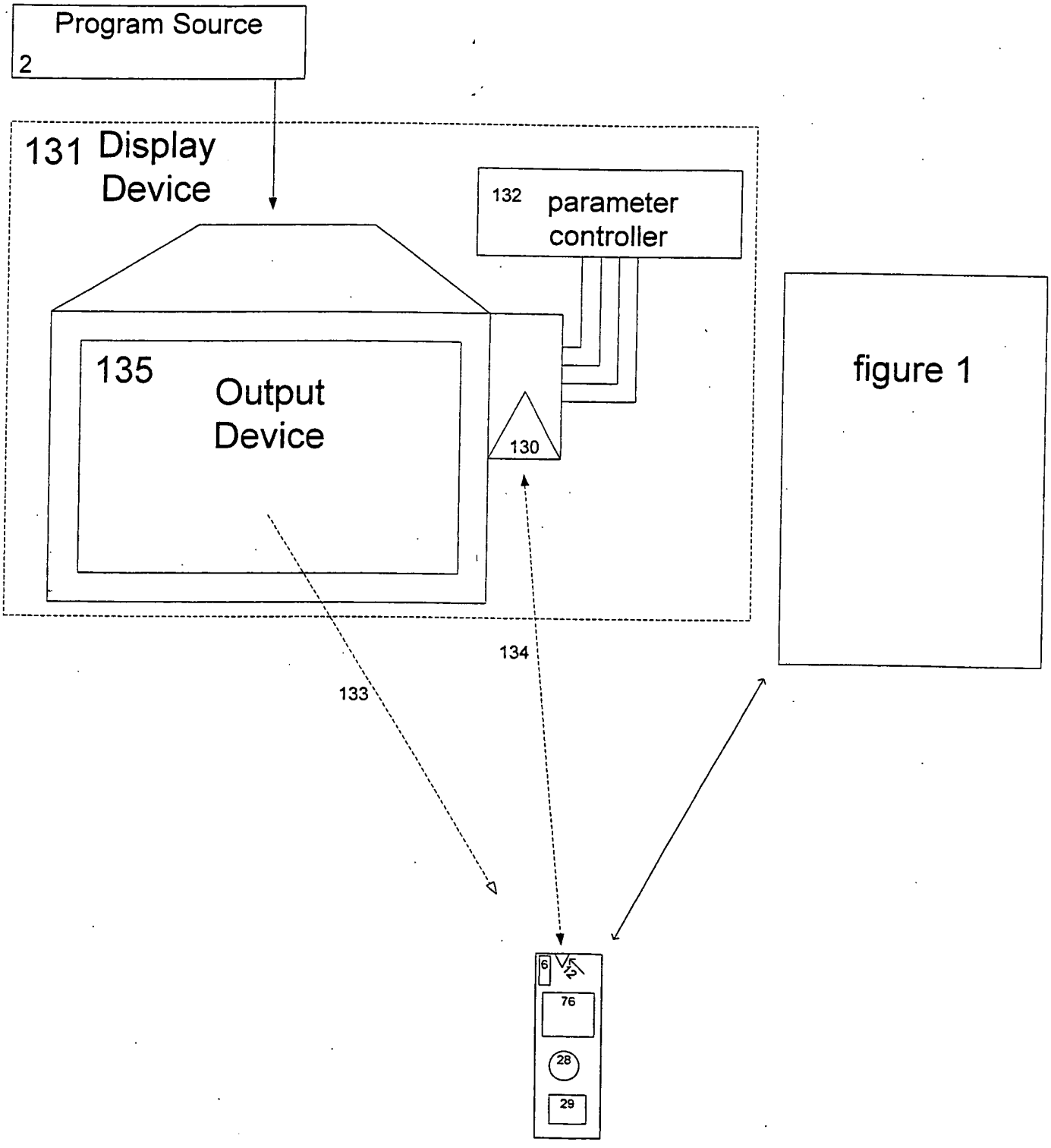
128
125
124

Figure 7


Program Source
2
131 Display Device
132 parameter controller
135
Output Device
130
figure 1
134
133
6
76
28
29